



# TRANSMITTAL FORM

|                           |               |
|---------------------------|---------------|
| Application Serial Number | 09/119,163    |
| Filing Date               | July 20, 1998 |
| First Named Inventor      | Lu            |
| Group Art Unit            | 3742          |
| Examiner Name             | M. Paschall   |
| Attorney Docket No.       | HYP-043       |

## ENCLOSURES (check all that apply)

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Check Attached<br><input type="checkbox"/> Copy of Fee Transmittal Form<br><input type="checkbox"/> Amendment/Response<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets ____]<br><input type="checkbox"/> Extension of Time Request<br><br><input type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Form PTO-1449<br><input type="checkbox"/> Copies of IDS Citations<br><br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><br><input type="checkbox"/> Response to Missing Parts/ Incomplete Application | <input type="checkbox"/> Copy of Notice to File Missing Parts of Application (PTO-1553)<br><input type="checkbox"/> Formal Drawing(s)<br><input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney (Revocation of Prior Powers)<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application<br><br><input type="checkbox"/> Small Entity Statement<br><br><input type="checkbox"/> Request for Refund<br><br><input type="checkbox"/> After Allowance Communication to Group | <input type="checkbox"/> Appeal Communication to Board of Patent Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to Group ( <i>Appeal Notice, Brief, Reply Brief</i> )<br><input type="checkbox"/> Status Letter<br><br><input type="checkbox"/> Return Receipt Postcard<br><input type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8<br><input checked="" type="checkbox"/> Additional Enclosure(s) ( <i>please identify below</i> )<br><br>Letter of Clarification<br>Notice of Allowability dated 8/3/00 (copy)<br>Notice of Allowability dated 7/19/00(copy) |
|---|---|---|

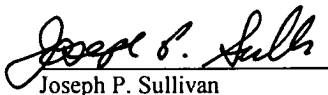
## CORRESPONDENCE ADDRESS

Direct all correspondence to: Patent Administrator  
Testa, Hurwitz & Thibault, LLP  
High Street Tower  
125 High Street  
Boston, MA 02110  
Tel. No.: (617) 248-7000  
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## SIGNATURE BLOCK

Date: August 14, 2000  
Reg. No. 45,349  
Tel. No.: (617) 248-7677  
Fax No.: (617) 248-7100

Respectfully submitted,

  
Joseph P. Sullivan  
Attorney for Applicants  
Testa, Hurwitz & Thibault, LLP  
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CAUS 12

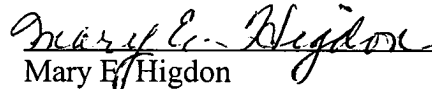
PATENT  
Attorney Docket No. HYP-043

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Lu et al.  
SERIAL NO.: 09/119,163 GROUP NO.: 3742  
FILED: July 20, 1998 EXAMINER: M. Paschall  
TITLE: ELECTRODE FOR A PLASMA ARC TORCH HAVING AN  
IMPROVED INSERT CONFIGURATION

**CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8**

I hereby certify that this correspondence, and any documents referred to as enclosed herein, are being deposited with the United States Postal Service as First Class Mail, postage prepaid, in an envelope addressed Assistant Commissioner for Patents, Washington, DC 20231 on this 14th day of August, 2000.

  
Mary E. Higdon

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Submitted herewith are the following:

Transmittal Form (1 pg.); Letter of Clarification (2 pp.); Notice of Allowability dated 7/19/99 (1 pg.) (copy); Notice of Allowability dated 8/3/00 (2 pp.) (copy); and a return receipt postcard.

JSULLIVA\4527\52.1051413\_1

7/99

**Match & Return**



**PATENT**  
Attorney Docket No.: HYP-043

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|              |   |            |             |
|--------------|---|------------|-------------|
| APPLICANTS:  | Lu et al.   | BATCH NO.: | V97         |
| SERIAL NO.:  | 09/119,163  | GROUP NO.: | 3742        |
| FILING DATE: | July 20, 1998   | EXAMINER:  | M. Paschall |
| TITLE:       | ELECTRODE FOR A PLASMA ARC TORCH HAVING AN<br>IMPROVED INSERT CONFIGURATION |            |             |

Assistant Commissioner for Patents  
Washington, D.C. 20231

**LETTER OF CLARIFICATION**

There is an error in the Notice of Allowability (Paper No. 14), mailed August 3, 2000. A copy of the Notice of Allowability is enclosed. The Notice of Allowability incorrectly lists the allowed claims as 1, 2, 4-10, and 12-14.

In contrast, the original Notice of Allowability (Paper No. 8), mailed July 19, 1999, correctly lists the allowed claims as claims 1, 2, 4-10, and 12-40. A copy of the original Notice of Allowability is enclosed. Applicants respectfully request correction in due course.

The Examiner is invited to telephone Applicants' undersigned representative to discuss any outstanding issues.



**FEE AUTHORIZATION**

Should any fee be required with the submission of this paper the Commissioner is authorized to charge the missing fee to our Deposit Account, No. 20-0531.

Respectfully submitted,

Date: August 14, 2000  
Reg. No.: 45,349

Tel. No.: (617) 248-7677  
Fax No.: (617) 248-7100

A handwritten signature of Joseph P. Sullivan in cursive script, written over a horizontal line.

Joseph P. Sullivan  
Attorney for the Applicants  
Testa, Hurwitz, & Thibeault, LLP  
High Street Tower  
125 High Street  
Boston, Massachusetts 02110

JSULLIVA452752.1051073\_1



**UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office**

Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

|                               |                         |                            |                                     |
|-------------------------------|-------------------------|----------------------------|-------------------------------------|
| APPLICATION NO.<br>09/119,163 | FILING DATE<br>07/26/98 | FIRST NAMED INVENTOR<br>LU | ATTORNEY DOCKET NO.<br>HYP-043,1527 |
|-------------------------------|-------------------------|----------------------------|-------------------------------------|

021323  
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BOSTON MA 02110

QM61/0803

**RECEIVED**

PATENT DEPARTMENT  
TESTA, HURWITZ & THIBEAULT, LLP

|                         |
|-------------------------|
| EXAMINER<br>PASCHALL, M |
|-------------------------|

|                  |              |
|------------------|--------------|
| ART UNIT<br>3742 | PAPER NUMBER |
|------------------|--------------|

DATE MAILED: 08/03/00

**COPY**

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

SERIAL NUMBER 1,410,174 FIRST NAMED APPLICANT 1,410,174 ATTORNEY DCKET NO. 14

EXAMINER

ART UNIT 14 PAPER NUMBER 14

DATE MAILED:

### NOTICE OF ALLOWABILITY

#### PART I.

1. ☒ This communication is responsive to 200 Filed 6/5/2000
2. ☒ All the claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice Of Allowance And Issue Fee Due or other appropriate communication will be sent in due course.
3. ☒ The allowed claims are 1, 4-10, 12-14
4. ☐ The drawings filed on \_\_\_\_\_ are acceptable.
5. ☐ Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has [ ] been received. [ ] not been received. [ ] been filed in parent application Serial No. \_\_\_\_\_ filed on \_\_\_\_\_
6. ☐ Note the attached Examiner's Amendment.
7. ☐ Note the attached Examiner Interview Summary Record, PTOL-413.
8. ☐ Note the attached Examiner's Statement of Reasons for Allowance.
9. ☐ Note the attached NOTICE OF REFERENCES CITED, PTO-892.
10. ☐ Note the attached INFORMATION DISCLOSURE CITATION, PTO-1449.

#### PART II.

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" indicated on this form. Failure to timely comply will result in the ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

1. ☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.
2. ☐ APPLICANT MUST MAKE THE DRAWING CHANGES INDICATED BELOW IN THE MANNER SET FORTH ON THE REVERSE SIDE OF THIS PAPER.
- a. ☐ Drawing informalities are indicated on the NOTICE RE PATENT DRAWINGS, PTO-948, attached hereto or to Paper No. \_\_\_\_\_. CORRECTION IS REQUIRED.
- b. ☐ The proposed drawing correction filed on \_\_\_\_\_ has been approved by the examiner. CORRECTION IS REQUIRED.
- c. ☐ Approved drawing corrections are described by the examiner in the attached EXAMINER'S AMENDMENT. CORRECTION IS REQUIRED.
- d. ☐ Formal drawings are now REQUIRED.

Any response to this letter should include in the upper right hand corner, the following information from the NOTICE OF ALLOWANCE AND ISSUE FEE DUE: ISSUE BATCH NUMBER, DATE OF THE NOTICE OF ALLOWANCE, AND SERIAL NUMBER.

#### Attachments:

- Examiner's Amendment
- Examiner Interview Summary Record, PTOL-413
- Reasons for Allowance
- Notice of References Cited, PTO-892
- Information Disclosure Citation, PTO-1449
- Notice of Informal Application, PTO-152
- Notice re Patent Drawings, PTO-948
- Listing of Bonded Draftsmen
- Other

*Mark Paschall*  
Mark Paschall  
Primary Examiner